

SCALE 1:24 000



QUADRANGLE LOCATION

ADJOINING 7.5' QUADRANGLE NAMES

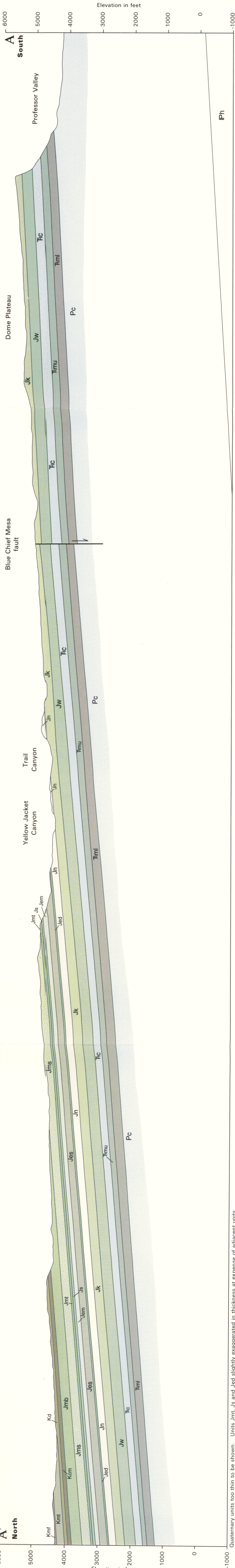
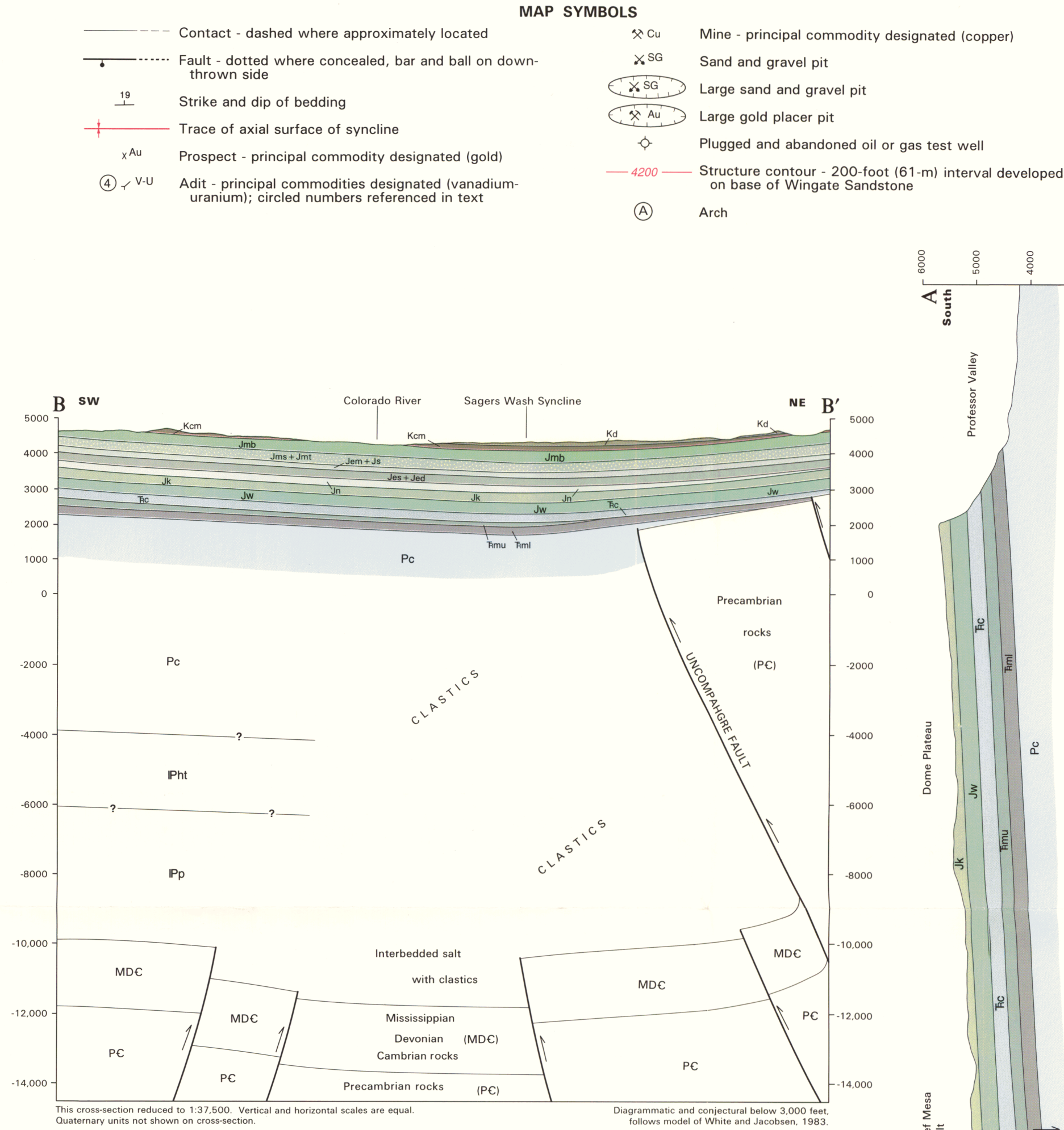
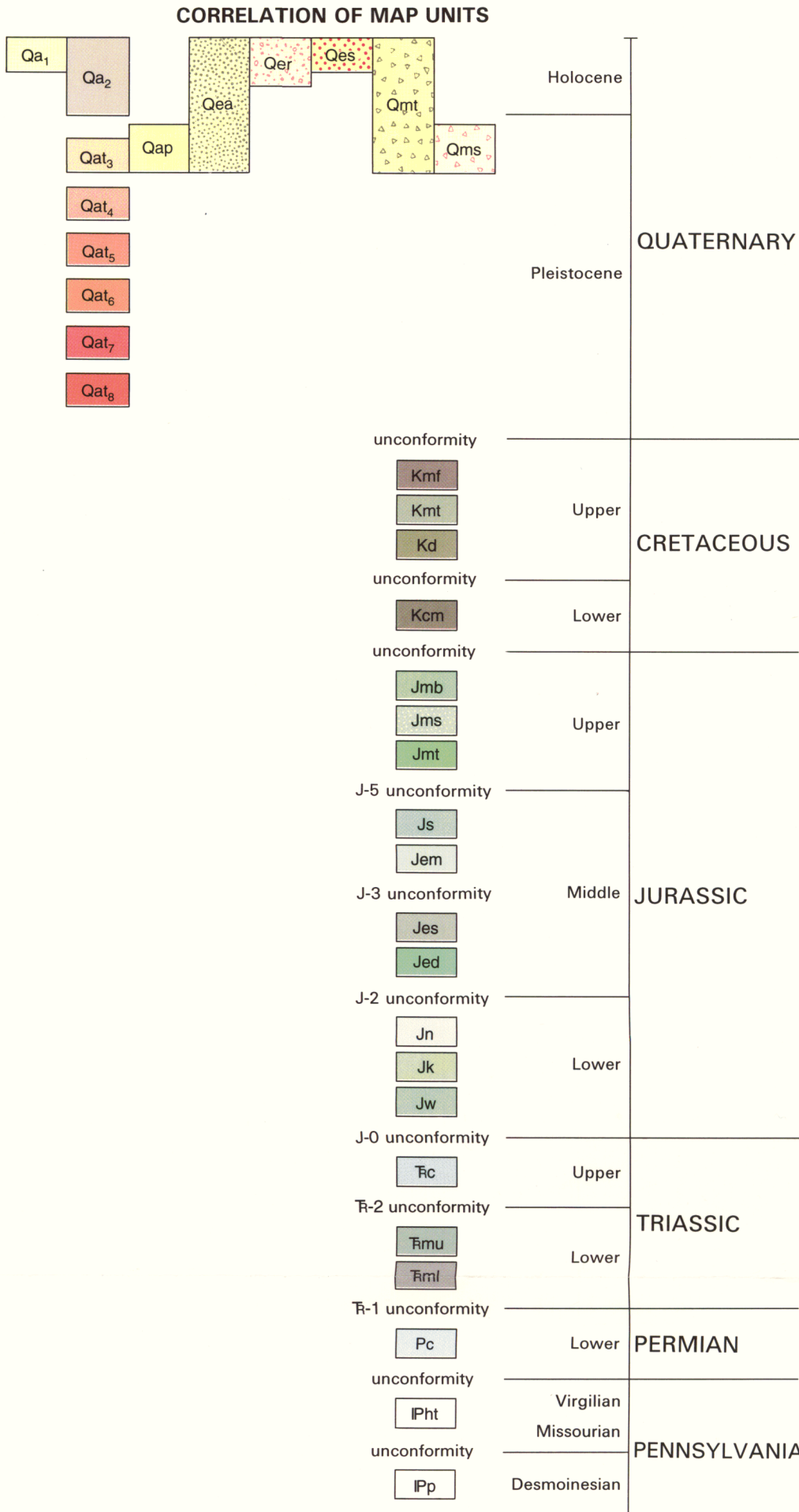
1996 MAGNETIC NORTH  
DECLINATION AT CENTER OF MAP.

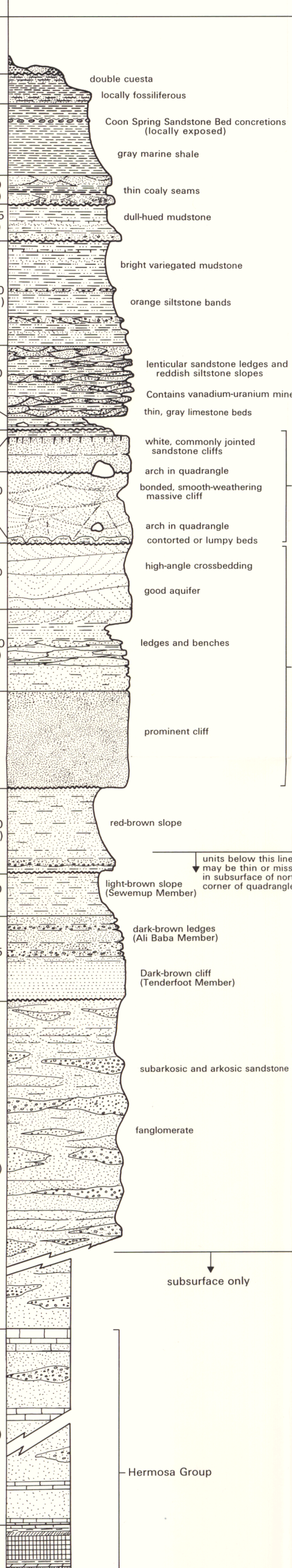
# GEOLOGIC MAP OF THE DEWEY QUADRANGLE, GRAND COUNTY, UTAH

by  
**Hellmut H. Doelling**

1996





PERIOD	EPOCH	FORMATION AND MEMBERS		SYMBOL	THICKNESS feet (meters)	LITHOLOGY
Quaternary	Holocene	Surficial deposits		Q	0-50 (0-15)	
	Pleistocene					
CRETACEOUS	Upper	Mancos Shale	Ferron Sandstone Member	Kmf	~90 (~27)	double cuesta locally fossiliferous
			Tununk Shale Member	Kmt	~220 (~67)	Coon Spring Sandstone Bed concretions (locally exposed) gray marine shale
	Lower	Dakota Sandstone		Kd	80-100 (24-30)	thin coaly seams
		Cedar Mountain Formation		Kcm	100-115 (30-35)	dull-hued mudstone
JURASSIC	Upper	Morrison Formation	Brushy Basin Member	Jmb	290-350 (86-107)	bright variegated mudstone orange siltstone bands
				Salt Wash Member	Jms	190-250 (58-76)
			Tidwell Member	Jmt	38-48 (12-15)	thin, gray limestone beds
			Middle	Entrada Sandstone	Summerville Formation	Js
	Moab Member	Jem			70-140 (21-43)	arch in quadrangle
	Slick Rock Member	Jes			180-220 (55-67)	banded, smooth-weathering massive cliff
	Dewey Bridge Mem.	Jed			0-35 (0-11)	arch in quadrangle contorted or lumpy beds
	Lower		Navajo Sandstone	Jn	180-220 (55-67)	high-angle crossbedding good aquifer
			Kayenta Formation	Jk	240-280 (73-85)	ledges and benches
			Wingate Sandstone	Jw	~300 (~91)	prominent cliff
	TRIASSIC	Upper	Chinle Formation		Tic	250-350 (76-107)
Moenkopi Formation			upper member	Tmu	110-280 (34-85)	light-brown slope (Sewump Member)
		Lower		lower member	Tml	250-265 (76-81)
PERMIAN	Lower	Cutler Formation		Pc	~5,000 (~1,524)	subarkosic and arkosic sandstone fanglomerate
PENNSYLVANIAN	Virgilian	Honaker Trail Formation		Pht	~4,000 (~1,219)	Hermosa Group
	Missourian					
	Desmoinesian	Paradox Formation		Pp	5,000+ (1,524+)	